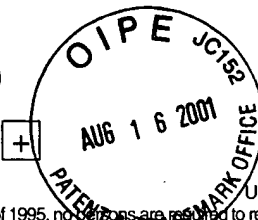


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/853,635
Filing Date	05-14-2001
First Named Inventor	Bengt K. OLSON
Group Art Unit	1614
Examiner Name	Unassigned
Attorney Docket Number	59486.000002

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
J	U1	4,444,752		Prudden	04-24-1984	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	F1		0987003	EP	Gers-Barlag et al.	03-22-2000		
J	F2		09241637	JP	Yumiko	09-16-1997		
J	F3		0659402	EP	Bombardelli et al.	06-28-1995		
J	F4		0715852	EP	Hitoshi et al.	06-12-1996		
	F5		2597337	FR	Olivier	10-23-1987		
	F6		2770974	FR	Hatem	05-21-1999		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
J	P1	Critical Reviews in Oral Biology and Medicine, 3(4):353-370 (1992) The Cultured Diploid Fibroblast as a Model for the Study of Cellular Aging Thomas H. Norwood and William R. Pendergrass	
J	P2	Biochemical and Biophysical Research Communications, Vol. 201, No. 2, 1994, pp. 665-672 Kinetin Delays The Onset Of Ageing Characteristics In Human Fibroblasts Suresh I. S. Rattan and Brian F. C. Clark	
J	P3	Journal of Ethnopharmacology 43 (1994) 125-133 Testing garlic for possible anti-ageing effects on long-term growth characteristics, morphology and macromolecular synthesis of human fibroblasts in culture Lise Svendsen, Suresh I. S. Rattan and Brian F. C. Clark	
J	P4	Scientific American Biology_Aging (July 2000) AGE Breakers - Rupturing the body's sugar-protein bonds might turn back the clock Lisa Melton	
J	P5	Proc. Natl. Acad. Sci. USA, Vol. 93, Biochemistry, pp.485-490, 1996 Longevity and the genetic determination of collagen glycoxidation kinetics in mammalian senescence David R. Sell et al.	
J	P6	Diabetes, VOL. 41, Suppl. 2, 1992, pp.42-48 Role of Oxygen in Cross-Linling and Chemical Modification of Collagen by Glucose Min-Xin Fu et al.	
J	P7	Biochimica et Biophysica Acta 1428 (1999) 45-56, Elsevier Generation of active oxygen species from advanced glycation end-products (AGEs) during ultraviolet light A (UVA) irradiation and a possible mechanism for cell damaging Hitoshi Masaki, Yuri Okano and Hiromu Sakurai	
J	P8	Photodermatology Photoimmunology & Photomedicine, 1995;11:192-197 Effects of ultraviolet A and antioxidant defense in cultured fibroblasts and keratinocytes A. Moysan et al.	

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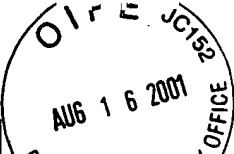
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Examiner Name	Unassigned
Attorney Docket Number	59486.000002

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	P9	Journal of Dermatological Science 16 (1998) 226-230 Short communication Modulation of UVA light-induced oxidative stress by B-carotene, lutein and astaxanthin in cultured fibroblasts: Irene O'Connor and Nora O'Brien	
	P10	Innovations Forum Life Science News 6, 2000, Amersham Pharmacia Biotech, pp.26 &27 Novel activity assays for the collagenases MMP-1 and MMP-13 M. Sully et al.	
	P11	Pathophysiology Of Premature Skin Aging Induced By Ultraviolet Light The New England Journal Of Medicine Vol. 337, No. 20 (1997), pp. 1419-1428 Gary J. Fisher et al.	
	P12	The Society for Investigative Dermatology, Inc. Molecular Mechanisms of Photoaging and its Prevention by Retinoic Acid: Ultraviolet Irradiation Induces MAP Kinase Signal Transduction Cascades that Induce Ap-1-Regulated Matrix Metalloproteinases that Degrade Human Skin In Vivo, Vol. 3, No. 1, August 1998, pp. 61-68 Gary J. Fisher	
	P13	British Journal of Dermatology 2000: 142: 267-273 Histological increase in inflammatory infiltrate in sun-exposed skin of female subjects: the possible involvement of matrix metalloproteinase-1 produced by inflammatory infiltrate on collagen degradation T. Hase et al.	
	P14	Experimental Dermatology 1993: 2: 92-97 UVA irradiation stimulates the synthesis of various matrix-metalloproteinases (MMP's) in cultured human fibroblasts G. Hermann et al.	
	P15	The Society for Investigative Dermatology, Inc., Vol. 99, No. 4, October 1992, pp. 440-444 Ultraviolet A Irradiation Stimulates Collagenase Production in Cultured Human Fibroblasts Marta J. Petersen et al.	
	P16	Photochemistry and Photobiology, Vol. 62, No. 3, pp. 444-448, 1995 Regulation and Inhibition of collagenase expression by long-wavelength ultraviolet radiation in cultured human skin fibroblasts Marta J. Petersen et al.	
	P17	Arch of Dermatol Research (1991) 283:506-511 UVA irradiation induces collagenase in human dermal fibroblasts in vitro and in vivo K. Scharffetter et al.	

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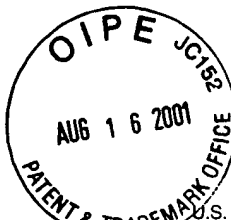
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Attorney Docket Number	59486.000002

Sheet 3 of 3

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J	P18	The Society for Investigative Dermatology, Inc., Vol. 104 No. 2, February 1995, pp. 194-198 Singlet Oxygen May Mediate the Ultraviolet A-Induced Synthesis of Interstitial Collagenase Meinhard Wlaschek et al.	
J	P19	Exp Dermatology 1997: Vol. 6: pp. 199-213 Matrix metalloproteinases in skin Kähäri et al.	
J	P20	Federation of European Biochemical Societies, 1991: Vol. 289, pp. 1, 4-7 The origin of matrix metalloproteinases and their familial relationships George J. P. Murphy et al.	

Examiner Signature	KC-Sood	Date Considered	09/16/2002
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